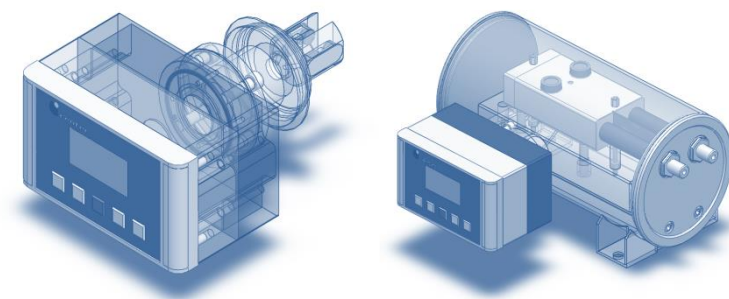


The Centec Group

Centec is a privately owned group of companies. Based on extensive know-how, we are a specialist for automated process skids for high precision dosing – even of smallest quantities. For media supply we offer water purification and pure steam generation systems. CIP- and SIP-units designed and manufactured by Centec are widely used in chemical industries. Centec technology includes a range of high precision process sensors for accurately measuring critical product properties such as the concentration of acidic and caustic solutions and O₂ content. The largest chemical groups in the world are among our key customers.



Accuracy. Reliability. Centec.

Germany
Centec GmbH
Wilhelm-Röntgen-Strasse 10
63477 Maintal
Tel.: +49 6181 18 78 0
Fax: +49 6181 18 78 50
info@centec.de

Czech Republic
Centec automatika s.r.o.
Pekařská 8/601
155 00 Praha 5
Tel.: +420 257 084 111
Fax: +420 235 518 701
prodej@centec.cz

USA
Centec LLC
P. O. Box 820
Germantown, WI 53022-0820
Tel.: +1 262 251 8209
Fax: +1 262 251 8376
info@centec-usa.com

UK
Centec UK
Stalworths, The Street
Great Tey, Colchester, Essex, CO6 1JS
Tel.: +44 1206 21 19 21
Fax: +44 1206 21 19 16
info@centec-uk.com

Serbia
Centec Serbia
Bogdana Žerajića 34/III
11000 Beograd
Tel.: + 381 11 358 11 24
Fax: + 381 11 358 11 24
info@centec.rs

India
Centec RRR Systems & Sensors Pvt Ltd
RRR House, Plot 80, Sector 23
Turbhe Naka, Navi Mumbai - 400 705
Tel.: +91 22 2783 3655 & 2783 1348
Fax: +91 22 2783 4814
mail@centecrrr.com

Brazil
Centec América Latina Ltda
Largo de Sao Francisco de Paula nº 26
Centro Cep. 20051 070 Rio de Janeiro
Tel.: +55 21 2223 2066
Fax: +55 21 2223 0324
centeclatina@terra.com.br

MultiMixer

Multi Component Mixing

Centec Pharma Systems



Automated
process skids
and high precision
sensors from a
single source.
Centec.

MultiMixer

The Principle

The Centec MultiMixer is applied for the continuous and accurate mixing of two or more streams of liquids. There are a multitude of applications in chemical industry, e.g. blending water with highly concentrated acids and caustics. The number of blending channels can be extended to meet individual needs, along with comprehensive recipe management. The compact MultiMixer skid provides a high degree of manufacturing flexibility and minimizes the required size of production facilities. For process control, sophisticated in-line sensors developed and manufactured by Centec are applied to determine product characteristics such as the concentration of acids and caustics, O₂ or CO₂. Reliable flow meters and pneumatic control valves or variable capacity pumps permanently monitor and adjust the mass ratios, guaranteeing repeatable results with minimal product losses. The modular design of the process units allows easy expansion, e.g. for deaerated water production or finished product sterilization, together with efficient CIP system integration, all of which are provided by Centec.

Technical Data

Capacity	1 - 150 m ³ /h
Pressure of Operation	0 - 10 bar
Temperature of Operation	2 - 85 °C
Material	PP 1.4301/1.4404 AISI 304/316L
PLC	SIMATIC S7
Options	in-line measurement of O ₂ and concentrations chilling/chilling water recovery water treatment



The Centec production is certified according to ISO 9001.

- **Application Specific and Energy Efficient**
exceptional accuracy with sophisticated sensor technology
excellent repeatability and minimum product loss
water deaeration on demand
- **Modular Design with Standard PLC**
skid mounted for easy installation and start-up
- **Hygienic Execution and Full CIP Capability**
- **Outstanding Price-Performance-Ratio**

Experience. Expertise. Centec.

*Particle Pre-Filtration · Disinfection · Water Softening & Demineralization · Ultrafiltration · Reverse Osmosis
Electro Deionization · WFI Distillation · Membrane Deaeration · Column Deaeration · Vacuum Deaeration
Multi Component Mixing · Additive Dosing · Flash Pasteurization · Cleaning-in-Place · Pure Steam Generation*

